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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

- 1-5. (Canceled)
- 6. (Currently Amended) A method for treating and/or preventing a gastrointestinal disorder; for treating and/or improving a gastrointestinal property of a COX-2 selective inhibitor; for decreasing the recurrence of an ulcer; for improving a gastroprotective property, an anti-Helicobacter pylori property or an antacid property of a proton pump inhibitor; or for improving a gastroprotective property of an H₂ receptor antagonist; in a patient in need thereof comprising administering to the patient a therapeutically effective amount of at least one compound of Formula II or a pharmaceutically acceptable salt thereof: wherein the compound of Formula (II) is:

(II)

wherein:

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methoxyphenyl-lower alkyl, hydroxyphenyl-lower alkyl, hydroxy-lower alkyl, alkoxy-lower alkyl, amino-lower alkyl, acylamino-lower alkyl, mercapto-lower alkyl or lower alkylthio-lower alkyl;

— R²⁴ is lower alkyl thiol, SH, S-acyl compound of lower alkylthiol, preferably S acetyl, S propionyl, S butyryl, S isobutyryl, S capryl, S pivaloyl, S benzoyl;

and lower alkylthio-lower alkanoic acid and esters and amides thereof, and lower alkylthio-lower alkylthio-low

R²⁵ is hydrogen and lower alkyl groups in which R³ and R²⁴ are bonded together and form part of a thiolactone group, groups in which R³ and R²³ are bonded together in the form of an ester or amide, groups in which R²² and R²³ are bonded together in the form of an alkylene bridge with 2 to 4 carbon atoms, an alkylene bridge with 2 to 3 carbon atoms and a sulfur atom, an alkylene bridge with 3 to 4 carbon atoms, which contains a double bond or an alkylene bridge as above, which can be substituted by one or more hydroxy, lower alkoxy, lower alkyl or dilower alkyl groups; and

m, n and o are each independently integers from 0 to 10.

N-nitrato-pivaloyl-S-(N-acetyl-glycyl)-L-cysteine ethyl ester (compound SPM 5186) or a pharmaceutically acceptable salt thereof; N-nitrato-pivaloyl-S-(N-acetyl-alanyl)-L-cysteine ethyl ester (compound SPM 5185) or a pharmaceutically acceptable salt thereof; N-nitrato-pivaloyl-S-(N-acetyl-leucyl)-L-cysteine ethyl ester; N-(2-nitratoacetyl)-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(2-nitratoacetyl)-S-propionyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(2-nitratoacetyl)-S-pivaloyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(2-nitratoacetyl)-methionine methyl ester or a pharmaceutically acceptable salt thereof; N-(2-nitratopropionyl)-cysteine or a pharmaceutically acceptable salt thereof; N-(2-nitratopropionyl)-cysteine or a pharmaceutically acceptable salt thereof; N-(2-nitratopropionyl)-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(2-nitratopropionyl)-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(2-nitratopropionyl)-methionine ethyl ester or a pharmaceutically

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acceptable salt thereof; N-(2-nitratobutyryl)-cysteine or a pharmaceutically acceptable salt thereof; N-(2-nitratobutyryl)-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(2-nitratobutyryl)-S-acetyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(2-nitratobutyryl)-S-butyryl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(2-nitratobutyryl)-methionine ethyl ester or a pharmaceutically acceptable salt thereof: N-(2-nitratoisobutyryl)-cysteine or a pharmaceutically acceptable salt thereof; N-(2nitratoisobutyryl)-cysteine ethyl ester or a pharmaceutically acceptable salt thereof: N-(2nitratoisobutyryl)-S-benzoyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(2-nitratoisobutyryl)-S-acetyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(2-nitratoisobutyryl)-S-pivaloyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(2-nitratoisobutyryl)-methionine ethyl ester or a pharmaceutically acceptable salt thereof; N-(3-nitratobutyryl)-cysteine or a pharmaceutically acceptable salt thereof; N-(3nitratobutyryl)-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(3nitratobutyryl)-S-acetyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(3nitratobutyryl)-S-propionyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(3-nitratobutyryl)-methionine ethyl ester or a pharmaceutically acceptable salt thereof; N-(3nitratobutyryl)-homocysteine thiolactone or a pharmaceutically acceptable salt thereof; N-(3nitratopivaloyl)-cysteine or a pharmaceutically acceptable salt thereof; N-(3-nitratopivaloyl)cysteine ethyl ester-S-ethyl carbonate or a pharmaceutically acceptable salt thereof; N-(3nitratopivaloyl)-S-acetyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(3nitratopivaloyl)-S-propionyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(3-nitratopivaloyl)-S-butyryl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(3-nitratopivaloyl)-S-isobutyryl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof: N-(3-nitratopivaloyl)-S-pivaloyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(3-nitratopivaloyl)-S-benzoyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(3-nitratopivaloyl)-methionine ethyl ester or a pharmaceutically acceptable salt thereof; N-(3-nitratopivaloyl)-methionine or a pharmaceutically acceptable salt thereof; N-(3-nitratopivaloyl)-homocysteine thiolactone or a pharmaceutically acceptable salt thereof; N-(2-nitratohexanoyl)-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(2-nitratohexanoyl)-S-propionyl-cysteine ethyl ester or a pharmaceutically acceptable salt

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thereof; N-(3-nitratohexanoyl)-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(3-nitratohexanoyl)-methionine methyl ester or a pharmaceutically acceptable salt thereof; N-(12-nitratolauroyl)-cysteine or a pharmaceutically acceptable salt thereof; N-(12-nitratolauroyl)-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; N-(12-nitratolauroyl)-S-acetyl-cysteine or a pharmaceutically acceptable salt thereof; N-(12-nitratolauroyl)-S-pivaloyl-cysteine or a pharmaceutically acceptable salt thereof; or compound SPM 6373 or a pharmaceutically acceptable salt thereof.

- 7. (Previously Presented) The method of claim 6, further comprising administering a pharmaceutically acceptable carrier.
- 8. (Previously Presented) The method of claim 6, further comprising administering an NSAID, a COX-2 inhibitor, an H₂ receptor antagonist, a proton pump inhibitor, a vasoactive agent, a steroid, a \(\mathbb{B}\)-agonist, an anticholinergic, a mast cell stabilizer, a PDE inhibitor, taxane, rapamycin, tranilast, or a combination of two or more thereof.
 - 9. (Cancelled)
- 10. (Currently Amended) The method of claim 6, wherein the compound of Formula (II) is comprising administering to the patient N-nitrato-pivaloyl-S-(N-acetyl-glycyl)-L-cysteine ethyl ester (compound SPM 5186) or a pharmaceutically acceptable salt thereof; N-nitrato-pivaloyl-S-(N-acetyl-alanyl)-L-cysteine ethyl ester (compound SPM 5185) or a pharmaceutically acceptable salt thereof; N-(3-nitratopivaloyl)-S-pivaloyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; or compound SPM 6373 or a pharmaceutically acceptable salt thereof.
- 11. (Currently Amended) The method of claim 6, wherein the method is the method for treating and/or preventing a gastrointestinal disorder.
- 12. (Currently Amended) The method of claim 6, wherein the method is the method for treating and/or improving a gastrointestinal property of a COX-2 selective inhibitor.
- 13. (Previously Presented) The method of claim 6, wherein the method is the method for decreasing the recurrence of an ulcer.
- 14. (Previously Presented) The method of claim 6, wherein the method is the method for improving a gastroprotective property of a proton pump inhibitor.

- 15. (Previously Presented) The method of claim 6, wherein the method is the method for improving an anti-*Helicobacter pylori* property of a proton pump inhibitor.
- 16. (Previously Presented) The method of claim 6, wherein the method is the method for improving an antacid property of a proton pump inhibitor.
- 17. (Previously Presented) The method of claim 6, wherein the method is the method for improving a gastroprotective property of an H₂ receptor antagonist.
- 18. (Currently Amended) A method for treating and/or preventing a gastrointestinal disorder; for treating and/or improving a gastrointestinal property of a COX-2 selective inhibitor; for decreasing the recurrence of an ulcer; for improving a gastroprotective property, an anti-Helicobacter pylori property or an antacid property of a proton pump inhibitor; or for improving a gastroprotective property of an H₂ receptor antagonist in a patient in need thereof comprising administering to the patient a therapeutically effective amount of at least one compound selected from the group consisting of N-nitrato-pivaloyl-S-(N-acetyl-glycyl)-L-cysteine ethyl ester (compound SPM 5186) or a pharmaceutically acceptable salt thereof; N-nitrato-pivaloyl-S-(N-acetyl-alanyl)-L-cysteine ethyl ester (compound SPM 5185) or a pharmaceutically acceptable salt thereof; N-(3-nitratopivaloyl)-S-pivaloyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof; compound SPM 3672 or a pharmaceutically acceptable salt thereof; and compound SPM 6373 or a pharmaceutically acceptable salt thereof.
- 19. (Previously Presented) The method of claim 18, further comprising administering a pharmaceutically acceptable carrier.
- 20. (Previously Presented) The method of claim 18, further comprising administering an NSAID, a COX-2 inhibitor, an H₂ receptor antagonist, a proton pump inhibitor, a vasoactive agent, a steroid, a β-agonist, an anticholinergic, a mast cell stabilizer, a PDE inhibitor, taxane, rapamycin, tranilast, or a combination of two or more thereof.
- 21. (Previously Presented) The method of claim 18, comprising administering to the patient a therapeutically effective amount of N-nitrato-pivaloyl-S-(N-acetyl-glycyl)-L-cysteine ethyl ester (compound SPM 5186) or a pharmaceutically acceptable salt thereof.
- 22. (Previously Presented) The method of claim 18, comprising administering to the patient a therapeutically effective amount of N-nitrato-pivaloyl-S-(N-acetyl-alanyl)-L-cysteine ethyl ester (compound SPM 5185) or a pharmaceutically acceptable salt thereof.

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- 23. (Previously Presented) The method of claim 18, comprising administering to the patient a therapeutically effective amount of N-(3-nitratopivaloyl)-S-pivaloyl-cysteine ethyl ester or a pharmaceutically acceptable salt thereof.
- 24. (Currently Amended) The method of claim 18, A method for treating and/or improving a gastrointestinal property of a COX-2 selective inhibitor; for decreasing the recurrence of an ulcer; for improving a gastroprotective property, an anti-Helicobacter pylori property or an antacid property of a proton pump inhibitor; or for improving a gastroprotective property of an H₂ receptor antagonist in a patient in need thereof comprising administering to the patient a therapeutically effective amount of compound SPM 3672 or a pharmaceutically acceptable salt thereof.
- 25. (Previously Presented) The method of claim 18, comprising administering to the patient a therapeutically effective amount of compound SPM 6373 or a pharmaceutically acceptable salt thereof.